ARG66633
anti-CD35 / CR1 antibody [SQab19151]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab19151] recognizes CD35 / CR1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab19151
Isotype	IgG
Target Name	CD35 / CR1
Species	Human
Immunogen	Synthetic peptide within aa. 1939-2039 of Human CD35.
Conjugation	Un-conjugated
Alternate Names	C3b/C4b receptor; C4BR; CD antigen CD35; KN; CD35; C3BR; Complement receptor type 1

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C - 25°C) for 30 minutes.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

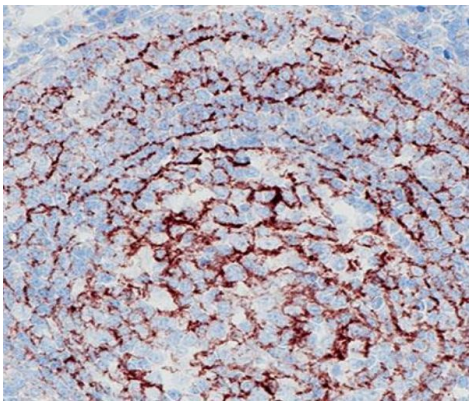
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CR1
Gene Full Name	complement component (3b/4b) receptor 1 (Knops blood group)
Background	This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster RCA' region of chromosome 1. The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variants, encoding different isoforms, have been characterized. Additional allele specific isoforms, including a secreted form, have been described but have not been fully characterized. [provided by RefSeq, Jul 2008]
Function	Mediates cellular binding of particles and immune complexes that have activated complement. [UniProt]
Calculated Mw	224 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG66633 anti-CD35 / CR1 antibody [SQab19151] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded Human tonsil tissue stained with ARG66633 anti-CD35 / CR1 antibody [SQab19151]. Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0).